

Chief Engineer, Towboat

WS-18  
MSC-18JOB CONTROLS

1. Works under administrative supervision of master of vessel who issues oral instructions pertaining to sailing orders and over-all plan of operations. Receives no technical guidance in operation and maintenance of engineroom facilities. Exercises independent judgment and initiative in discharging responsibilities. Work is subject to review for proficiency of performance as determined from continuity of operations. Engineroom is subject to rigid annual inspection by U. S. Coast Guard for compliance with Marine Regulations.

MAJOR DUTIES

1. Is assigned as Chief Engineer on Diesel powered towboat, screw type, engaged in towing operations on inland streams. Has 24-hour responsibility for operation and maintenance of all engineroom machinery and equipment, including propelling engines, generators, relays, starters, air compressor, fuel pumps, water filter pumps, fire pump, propeller and rudder mechanism, refrigeration plant, and boiler for house facilities. Makes periodic inspection of all equipment for deficiencies in operations. Directs and performs repair work to extent of complete overhaul of machinery, exclusive of repairs requiring machine work. Performs maintenance work on house facilities, such as electric fans, water coolers and wiring systems, heating and plumbing systems, and kitchen equipment; maintains deck winches and capstan in good working order; makes periodic inspections of life-saving and fire-fighting equipment and maintains such equipment in readiness for emergency needs; and maintains engineroom and machinery painted and in clean and orderly manner. Depending upon assignment, may be required to stand regular watch as engineer.

2. Plans and lays out work for assistant engineers, number depending upon size of boat and number of watches, engaged in multiple shift operation. Outlines repair work to be performed by each crew. Determines procedures and methods most feasible for particular jobs. Personally supervises repairs involving major breakdown of equipment. Trains subordinates in established methods and in application of safety rules.

3. Is responsible for care and security of tools and equipment in engineroom. Maintains sufficient stock of supplies and repair parts required for operating maintenance. Compiles factual information for computing cost of repairs. Plans repairs so as to maintain cost within prescribed monetary limits.

4. On demobilization, is responsible for draining water and steam from all lines and tanks to prevent freezing, and otherwise preparing machinery and equipment for preservation during lay up. Prepares outline of repairs to be made during lay up. Supervises making such repairs and inspects completed work for propriety.

Performs other work as assigned.

Is required to possess engineer's license issued by U. S. Coast Guard, commensurate with horsepower of vessel to which assigned.